

## Water Pollution (WP) Study Parameters

This is a list of parameters currently required on the Water Pollution Study. Please review your laboratory's current South Carolina certificate. You must successfully analyze a WP Study sample for each parameter that is listed under the Clean Water Act on your certificate and on this list. If your laboratory is certified for multiple methods for any one or more parameters, you must analyze and report results using each method which appears on your South Carolina certificate. For example, if the laboratory is certified to analyze residual chlorine using the DPD colorimetric method (SM 4500CLG) and the FAS titrimetric method (SM 4500CLF), the laboratory must analyze the PT sample using both methods (SM 4500CLG and 4500CLF). Both results must be reported to the PT Provider for scoring. A rating for each method must appear on the laboratory's report from the PT Provider. If the laboratory passes one method and fails the other, the laboratory will become decertified only for the method which was not successfully analyzed.

### **Trace Metals**

Aluminum  
Antimony  
Arsenic  
Beryllium  
Cadmium  
Chromium  
Cobalt  
Copper  
Iron  
Lead  
Manganese  
Mercury  
Molybdenum  
Nickel  
Selenium  
Silver  
Strontium  
Thallium  
Titanium  
Vanadium  
Zinc

### **Demands**

Total Org. Carbon (TOC)  
Chem. Oxygen Demand (COD)  
5-day BOD  
Carbonaceous BOD

### **Inorganic - Residues**

Non-filterable (TSS)  
Filterable (TDS)

### **Inorganic - Mineral**

Alkalinity  
Calcium  
Chloride  
Specific Conductance  
Fluoride  
Total Hardness  
Magnesium  
Potassium  
Sodium  
Sulfate

### **Inorganic - Nutrients**

Ammonia  
Nitrate-Nitrogen  
Orthophosphate  
Total Kjeldahl Nitrogen (TKN)  
Total Phosphorus

### **Inorganic - Misc.**

Total Cyanide  
Total Residual Chlorine  
Hydrogen-Ion Conc. (pH)  
Total Phenolics  
Oil & Grease

### **Pesticides**

Aldrin  
Chlordane (Total)  
Dieldrin  
DDD  
DDE  
DDT  
Heptachlor  
Heptachlor Epoxide (beta)

### **PCBs in Water**

Aroclor 1016 or 1242  
Aroclor 1232  
Aroclor 1248  
Aroclor 1254  
Aroclor 1260

### **PCBs in Oil**

PCBs in Oil 1016/1242  
PCB in Oil 1254  
PCB in Oil 1260

### **Volatile Halocarbons**

1,2-dichloroethane  
Chloroform  
1,1,1-trichloroethane  
Trichloroethene  
Carbon Tetrachloride  
Tetrachloroethene  
Bromodichloromethane  
Dibromochloromethane  
Bromoform  
Methylene Chloride  
Chlorobenzene

### **Volatile Aromatics**

Benzene  
Toluene  
Ethylbenzene  
1,2-dichlorobenzene  
1,3-dichlorobenzene  
1,4-dichlorobenzene

If you have any questions regarding the Proficiency Testing (PT) Study requirements for maintaining the laboratory's South Carolina certification, please contact any Laboratory Certification Officer (LCO) at (803) 896-0970.